

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

## APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

## 1a. TYPE OF WORK

DRILL ☒DEEPEN ☐PLUG BACK ☐

## b. TYPE OF WELL

OIL  
WELL ☐GAS  
WELL ☒

OTHER

SINGLE  
ZONE ☐MULTIPLE  
ZONE ☐

## 2. NAME OF OPERATOR

Beartooth Oil &amp; Gas Company

## 3. ADDRESS OF OPERATOR

P. O. Box 2564, Billings, Montana 59101

## 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)\*

At surface

1105' FNL, 956' FEL

At proposed prod. zone

same

## 14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*

40 miles northwest of Mack, Colorado

DIVISION OF OIL  
GAS & MINING

## 15. DISTANCE FROM PROPOSED\*

LOCATION TO NEAREST  
PROPERTY OR LEASE LINE, FT.  
(Also to nearest drilg. unit line, if any)

956'

## 16. NO. OF ACRES IN LEASE

1200

17. NO. OF ACRES ASSIGNED  
TO THIS WELL

160

18. DISTANCE FROM PROPOSED LOCATION\*  
TO NEAREST WELL, DRILLING, COMPLETED,  
OR APPLIED FOR, ON THIS LEASE, FT.

3122'

## 19. PROPOSED DEPTH

6300'

## 20. ROTARY OR CABLE TOOLS

Rotary

## 21. ELEVATIONS (Show whether DF, RT, GR, etc.)

7056' GL, 7067' KB

## 22. APPROX. DATE WORK WILL START\*

August 15, 1984

## 23.

## PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	9-5/8"	32.3# H-40 STC	200'	150 sacks Class "G"
8-3/4"	7" New	20# K-55 STC	2330'	150 sacks 50-50 pozmix
6-1/4"	4-1/2"	11.6# N-80 LTC	6300'	175 sacks RFC

1. Surface formation is the Mesaverde.
2. Anticipated geologic markers are: Castlegate 2030', Dakota 5700', Morrison 5877', Salt Wash 6200'.
3. Gas is anticipated in the Castlegate, Dakota, Morrison and in the Salt Wash. No oil or other minerals are anticipated. Possible water sands are expected in the Mesaverde.
4. Proposed casing program: See Item No. 23 above.
5. Pressure control equipment: See attached well control plan and schematic of drilling contractor's BOP stack. BOP's will be tested before drilling out from under surface casing and checked daily.
6. Air or mist drilling will be used to drill the surface hole unless water is encountered. If water is encountered, chemical-gel type mud will be used. The well will be air drilled from under surface casing to total depth.

(continued on back page)

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

## 24.

SIGNED

*James G. Routson*  
James G. Routson

TITLE

Petroleum Engineer

DATE

7/12/84

(This space for Federal or State office use)

PERMIT NO.

APPROVED BY

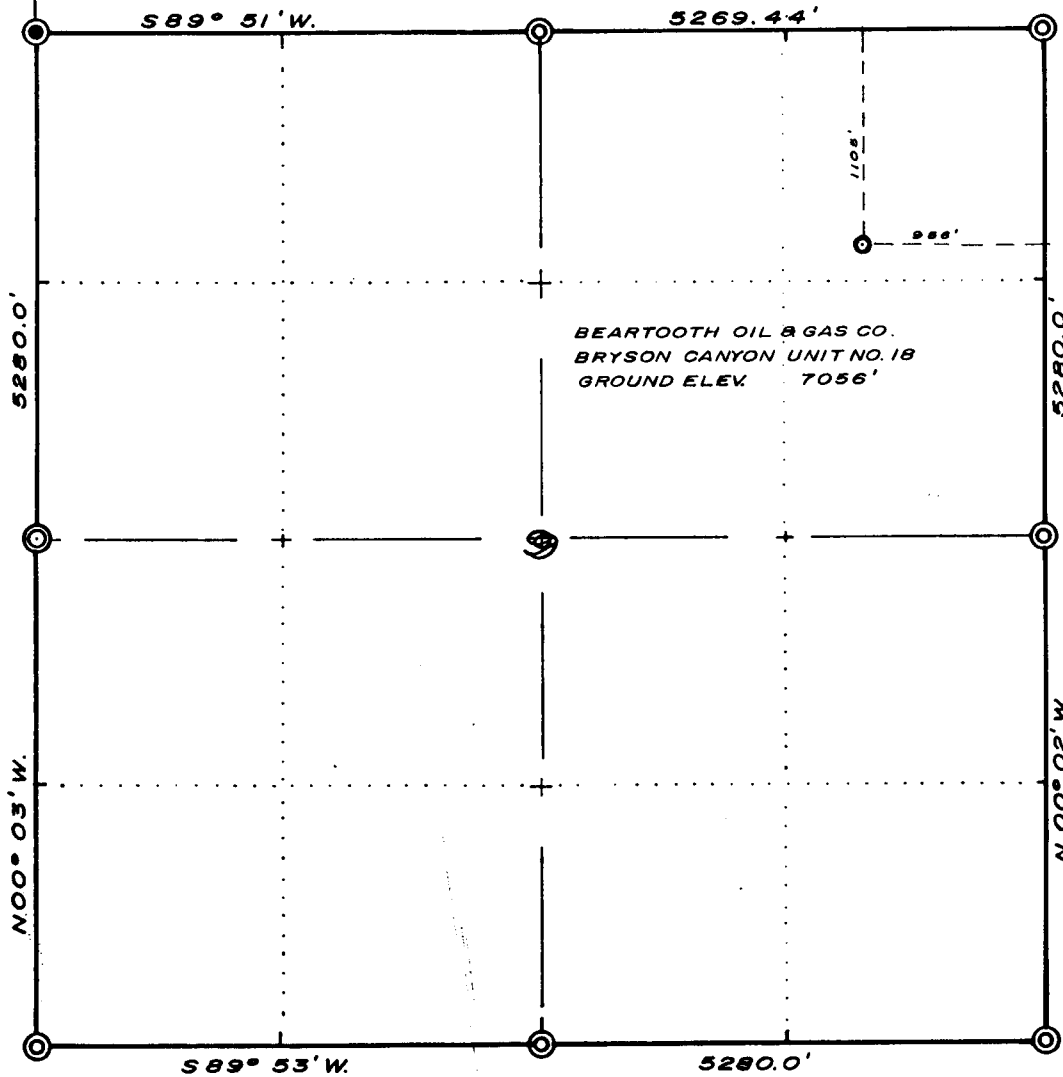
TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

APPROVED BY THE STATE  
OF UTAH DIVISION OF  
OIL, GAS, AND MINING  
DATE: 7/25/84  
BY: *John E. Baga*

SEC. 9, T. 17S, R. 24E OF THE S.L.M.



SCALE

500' 0' 1000'

## LEGEND

① STANDARD LOCATION OF GLO SECTION CORNERS

② GLO CORNERS FOUND

○ WELL LOCATION STAKED.

## REFERENCE DOCUMENTS

1925 GLO PLAT

BRYSON RIDGE, UTAH  
QUADRANGLE, USGS

THIS WELL LOCATION PLAT WAS PREPARED FOR BEARTOOTH OIL & GAS CO.  
TO LOCATE THE BRYSON CANYON UNIT NO. 18, 1105' F.N. L. &  
956' F.E. L. IN THE NE 1/4 NE 1/4, OF SECTION 9, T. 17S, R. 24E  
OF THE S.L.M. GRAND COUNTY, UTAH.



## SURVEYOR'S CERTIFICATE

I, LARRY D. BECKER A REGISTERED LAND SURVEYOR IN THE STATE OF UTAH DO HEREBY CERTIFY THAT THIS SURVEY WAS MADE UNDER MY DIRECT SUPERVISION AND THAT THIS PLAT REPRESENTS SAID SURVEY.

*Larry D. Becker*

SURVEYED	6-27-84	
DRAWN	7-2-84	
CHECKED	7-3-84	

ENERGY  
SURVEYS &  
ENGINEERING CORP.

715 HORIZON DRIVE, SUITE 330  
GRAND JUNCTION, CO 81501  
(303) 245-7221

SCALE 1" = 1000'

JOB NO.

SHEET OF

PLAN OF DEVELOPMENT  
FOR SURFACE USE FOR THE  
BEARTOOTH OIL & GAS COMPANY  
BRYSON CANYON UNIT NO. 18  
NE $\frac{1}{4}$ NE $\frac{1}{4}$  Sec. 9-T17S-R24E  
Grand County, Utah

1. Existing Roads - a legible map showing:

- A. Proposed well site as staked. (Actual staking should include two each 200-foot directional reference stakes.): See Survey Plat No. 1
- B. Route and distance from nearest town or locatable reference point to where well access route leaves main road: This location is about 25 miles north of the Westwater exit on I-70. It is reached by going 1.4 miles east of the Westwater exit on Old Hwy. 6 & 50; turn left and go 8.3 miles, turn left and go 6.4 miles, turn right and go 3.9 miles up East Canyon, turn left and go 3.3 miles up Paradise Hill, turn right and go 0.8 miles to the beginning of the new access road construction.
- C. Access road(s) to location color-coded or labeled: The existing access is colored green on the vicinity and topo maps.
- D. If exploratory well, all existing roads within a 3-mile radius (including type of surface, conditions, etc.): N/A
- E. If development well, all existing roads within a 1-mile radius of wellsite: All existing roads are shown on The Vicinity and Topo Maps
- F. Plans for improvement and/or maintenance of existing roads: Beartooth Oil & Gas Company will conduct maintenance blading on all of the existing access roads. Beartooth has BLM R/W to reach the Bryson Canyon Unit Boundry, however, all of the proposed access road in Sec. 4-T17S-R24E is outside the Unit Boundry; therefore, Beartooth will need a R/W for 1.2 miles of road.

2. Planned Access Roads - See Topo Map

Map showing all necessary access roads to be constructed or reconstructed, showing:

- (1) Width & Disturbance: All proposed new road will be constructed with an 18' driving surface. The topography of the area will determine the disturbed width.
- (2) Maximum grades: The maximum grade will be one short 8% section where the new road leaves an old dry hole well pad.
- (3) Turnouts: No turnouts are planned.
- (4) Drainage design: Natural drainage; road will follow contour of the land. The road will be insloped 2% on the out slopes.
- (5) Location and size of culverts and brief description of any major cuts and fills: No culverts are planned
- (6) Surfacing material: Native material only; no material will be brought in.
- (7) Necessary gates, cattleguards, or fence cuts: N/A
- (8) New or reconstructed roads are to be center-line flagged at time of location staking: The road is flagged with yellow flagging

### 3. Location of Existing Wells

Two-mile radius map if exploratory, or 1-mile radius map if development well showing and identifying existing (see Well Map No. 3)

- (1) Water wells: None
- (2) Abandoned wells: Two
- (3) Temporarily abandoned wells: None
- (4) Disposal wells: None
- (5) Drilling wells: None
- (6) Producing wells: 10
- (7) Shut-in wells: 2
- (8) Injection wells: None
- (9) Monitoring or observation wells for other resources: None

### 4. Location of Existing and/or Proposed Facilities

A. Within 1-mile radius of location show the following existing facilities owned or controlled by lessee/operator:

- 1. Tank batteries: None
- 2. Production facilities: Meter runs and separators at gas wells shown on
- (3) Oil gathering lines: None
- (4) Gas gathering lines: An extensive gas gathering system, mostly surface lines,  
connect the wells shown on Map No. 2 to Mesa Pipeline and Northwest Pipeline,  
both of which are in the bottom of East Canyon (See Map No. 1)
- (5) Injection lines: None
- (6) Disposal lines: None

(Indicate if any of the above lines are buried.)

B. If new facilities are contemplated, in the event of production, show:

- (1) Proposed location and attendant lines by flagging if off of well pad:  
Proposed facilities will be on the pad. A surface pipeline will leg off the  
cliffs and connect to Mesa Pipeline near the C-SE $\frac{1}{4}$  of Section 9.
- (2) Dimensions of facilities: See Plat No. 5. Separator 5' x 10',  
meter run 5' x 8', on drillsite pad and painted green to blend  
with the environment.
- (3) Construction methods and materials: No materials necessary. All  
lines will be coated, wrapped, and buried. See Plat No. 4.
- (4) Protective measures and devices to protect livestock and wildlife:   
A 10' x 10' water pit within 50' of the separator will be fenced.  
A metal guard or fiberglass shelter will be around the wellhead.

#### 4. Location of Existing and/or Proposed Facilities (Continued)

- C. Plan for rehabilitation of disturbed areas no longer needed for operations after construction is completed: Upon completion of the drilling of this well, all pits will be backfilled and top soil replaced and re-contoured back to original terrain. Upon abandonment, all disturbed areas, including the location and access road, will be re-contoured, ripped or scarified as needed, and re-vegetated using a seed formula as specified by the BLM. Seeding will be done in the fall.
- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_

#### 5. Location and Type of Water Supply

- A. Show location and type of water supply either on map or by written description: Water for this well will be purchased from Mr. Frank Spodafora. The pick-up point is at the ranch in Main Canyon.
- \_\_\_\_\_
- \_\_\_\_\_
- B. State method of transporting water and show any roads or pipelines needed: Water will be transported by truck over the existing roadways and proposed access.
- \_\_\_\_\_
- C. If water well is to be drilled on lease, so state. (No APD for water well is necessary, however, unless it will penetrate potential hydrocarbon horizons): No water well is to be drilled.
- \_\_\_\_\_
- \_\_\_\_\_

#### 6. Source of Construction Materials

- A. Show information either on map or by written description: No construction materials will be used other than native materials.
- \_\_\_\_\_
- \_\_\_\_\_
- B. Identify if from Federal or Indian land: Not applicable.
- \_\_\_\_\_
- C. Describe where materials, such as sand, gravel, stone, and soil material are to be obtained and used: Soil from cuts will be used for fills. No outside material will be brought in.
- \_\_\_\_\_
- \_\_\_\_\_
- D. Show any needed access roads crossing Federal or Indian lands under Item 2:
- \_\_\_\_\_
- \_\_\_\_\_

#### 7. Methods for Handling Waste Disposal

Describe methods and location of proposed containment and disposal of waste material, including:

- (1) Cuttings: Cuttings will be buried in the reserve pit.
- \_\_\_\_\_
- (2) Drilling fluids: Drilling fluids will be handled in the reserve pit and left to evaporate.
- \_\_\_\_\_
- (3) Produced fluids (oil, water): Any fluids produced during drilling test or while making production test will be collected in a test tank. If a test tank is not available during drilling, fluids will be handled in reserve pit. Any spills of oil, gas, salt water or other noxious fluids will be cleaned up and removed. If well is productive, produced water will be disposed of onsite for 30 days only, or 90 days with permission of District Manager. After that time, application will be made for approval of permanent disposal method in compliance with NTL-2b, and the rules and regulations of the State of Utah.
- \_\_\_\_\_

## 7. Methods for Handling Waste Disposal (Continued)

- (4) Sewage: Human waste will be disposed of in chemically treated sanitary pits
- (5) Garbage and other waste material (trash pits should be fenced with small mesh wire to prevent wind scattering trash before being burned or buried): Garbage, waste, salts and other chemicals produced during drilling or testing will be handled in a trash cage. The trash cage will be totally enclosed with small mesh wire to prevent wind scattering trash before being removed. Reserve pit will be fenced on 3 sides during drilling and closed off on the 4th side at the time of rig release.
- (6) Statement regarding proper cleanup of wellsite area when rig moves out: Drilling fluid in pit, which will be very minimal due to air drilling, will be left to dry, if necessary. After pit area is sufficiently dry, cuttings will be pushed into pit and sub-soil placed on top of any remaining fluid and cuttings; then top soil will be used to cover both pit and location area.

## 8. Ancillary Facilities

Identify all proposed camps and airstrips on a map as to their location, area required and construction methods. (Camp center and airstrip center lines to be staked on the ground): No air strip, camp or other facilities will be built during drilling of this well.

## 9. Wellsite Layout

A plat (not less than 1" = 50') showing:

- (1) Cross sections of drill pad with cuts and fills: See Plat No. 3
- (2) Location of mud tanks, reserve, burn and trash pits, pipe racks, living facilities, and soil material stockpiles: See Plats Nos. 2 & 4  
There is no topsoil to be saved. The location construction will involve lowering the ridgetop until an acceptable width is reached.
- (3) Rig orientation, parking areas and access roads: See Plat No. 4
- (4) Statement as to whether pits are to be lined or unlined. (Approval as used in this section means field approval of location. All necessary staking of facilities may be done at the time of field inspection. A registered surveyor is not mandatory for such operations): Pits will be lined with a nylon reinforced pit liner.

## 10. Plans for Restoration of Surface

State restoration program upon completion of operations, including:

- (1) Backfilling, leveling, contouring and waste disposal; segregation of spoils materials as needed: If well is abandoned, site will be restored to original condition as nearly as possible. Backfilling, levelling, and contouring are planned as soon as all pits have dried. Waste disposal and spoils materials will be buried or hauled away immediately to an approved sanitary land fill after drilling is completed. If production is obtained, the unused area will be restored as soon as possible.
- (2) Revegetation and rehabilitation, including access roads (normally per BLM recommendations): The soil banked material will be spread over the area. Re-vegetation will be accomplished by planting mixed grasses as per BLM specifications.
- (3) Prior to rig release, pits will be fenced and so maintained until clean-up: Three sides of the reserve pit will be fenced during drilling and closed off on the 4th side following rig release to prevent livestock or wildlife from entering; and the fencing will be maintained until leveling and cleanup are accomplished.

10. Plans for Restoration of Surface (Continued)

- (4) If oil on pit, remove oil or install overhead flagging: If any oil is on the pits and is not immediately removed or burned after operations cease, the pit containing the oil or other adverse substances will be flagged overhead or covered with wire mesh.
- (5) Timetable for commencement and completion of rehabilitation operations: The rehabilitation operations will begin immediately after the drilling rig is removed. Removal of oil or other adverse substances will begin immediately or area will be flagged and fenced. Other cleanup will be done as needed. Planting and re-vegetation is considered best in the fall, between Sept. 15 and Nov. 15.

11. Other Information

General description of:

- (1) Topography, soil characteristics, geologic features, flora and fauna: The location sits atop a large rock point. The vegetation consists of pinon pine, juniper, sagebrush and various grasses. Vegetation is sparse. Soils are very rocky.
- (2) Other surface use activities and surface ownership of all involved lands: All lands are public lands
- (3) Proximity of water, occupied dwellings, archeological, historical or cultural sites: The nearest live water is in Main Canyon of Westwater Creek.  
A cultural resource survey is being made and the report will be filed with the BLM in Moab.

12. Lessee's or Operator's Representative

Include the name, address and phone number of the lessee's or operator's field representative who is responsible for assuring compliance with the approved surface use and operations plan:

James G. Routson  
Beartooth Oil & Gas Company  
P. O. Box 2564  
Billings, MT 59103  
Office Ph: 406-259-2451  
Home Ph: 406-245-8797

Ken Currey  
Box 1491  
Fruita, CO 81521  
Mobile Phone: 303-245-3660 Unit 5858  
Home Ph: 303-858-3257

13: Certification

The following statement is to be incorporated in the plan and must be signed by the lessee's or operator's field representative who is identified in Item No. 12 of the plan:

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite and access route; that I am familiar with the conditions which presently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and, that the work associated with the operations proposed herein will be performed by Beartooth Oil & Gas Company and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved.

7-12-84  
Date

Kenneth A. Currey

### WELL CONTROL PLAN

1. Surface Casing: 9-5/8" O.D., 32.3 #/ft., Grade H-40, Short T&C, set at 200' or deeper, cemented with pump and plug method back to the surface or bottom of cellar.
2. Casinghead Flange: 9-5/8" x 10 - 900 series casinghead with two 2" 2000 psi L.P. outlets.
3. Intermediate Casing: 7", 20#, K-55, set at 2330' and cemented with 150 sacks. The intermediate spool will be 10" - 900 x 10" - 900 series with two 2" 2000 psi L.P. outlets.
4. Blowout Preventor: A 10" 3000 psig W.P. double gate hydraulic shaffer BOP ( or equivalent ) with drill pipe rams and blind rams. All fill, kill and choke lines will be minimum of 2" 2000 psi W.P. A Grant rotating head will be used while air and mist drilling. A new rubber will be installed prior to drilling through the Dakota. BOP's will be worked daily. Blind rams will be checked during trips. BOP's will be tested to 1000 psi prior to drilling shoe joint on surface casing and intermediate casing.
5. Auxiliary Equipment: (a) Drill pipe floats will be allowed at contractor's discretion. (b) Visual monitoring of air returns will be maintained. (c) Upper kelly cock will be used. (d) Stabbing valve will be kept on floor.
6. Anticipated bottom hole pressure is less than 1300 psi at 6300' or a gradient of .206 psi/ft or less. No abnormal temperatures or hydrogen sulfide gas are anticipated.

BEARTOOTH OIL & GAS COMPANY

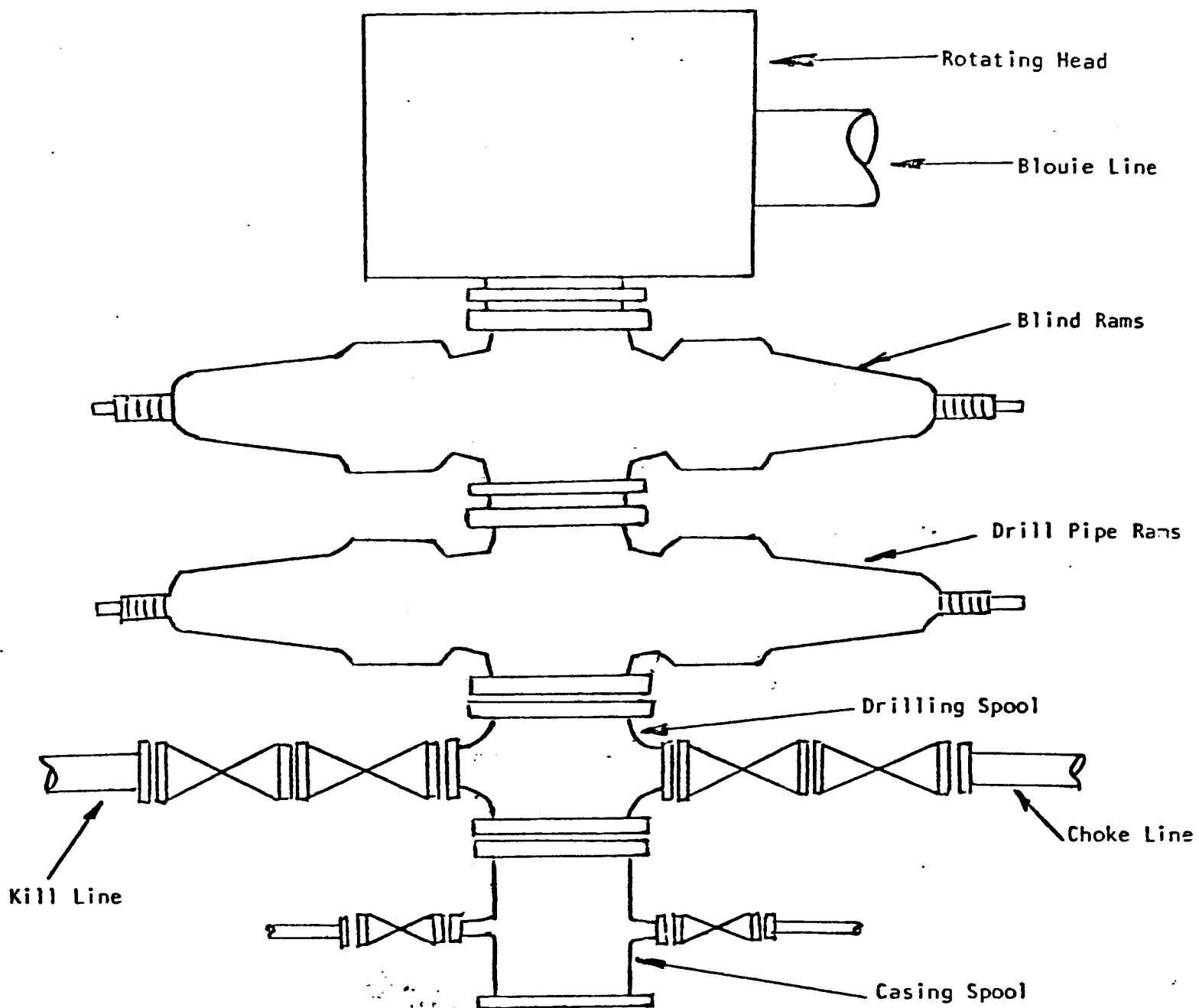
By: James G. Routson  
James G. Routson, Petroleum Engineer



# SCHEMATIC OF BOP STACK

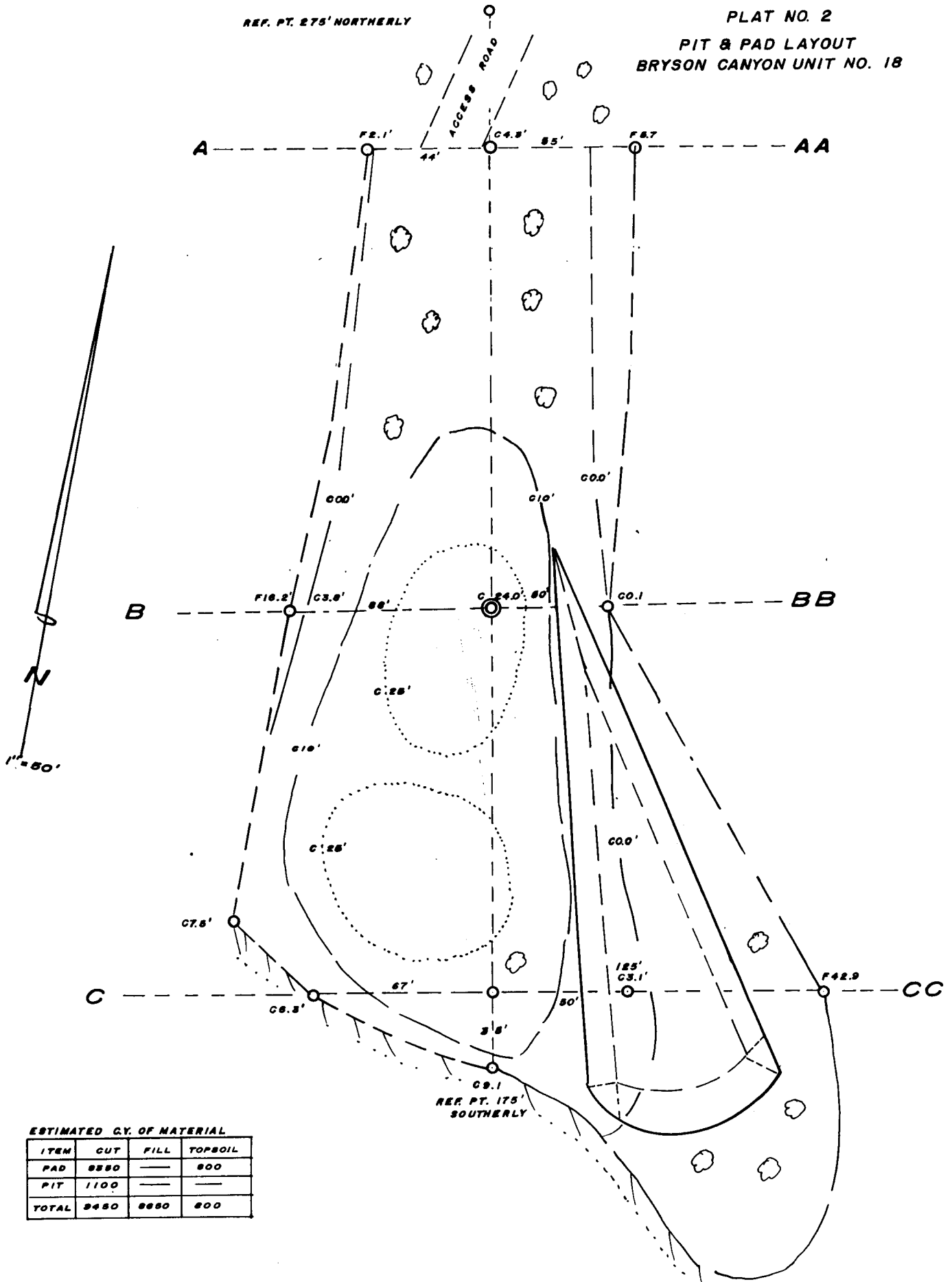
Air drilled wells using 900 series wellhead equipment.

Interval from 200' to total depth.



REF. PT. 275' NORTHERLY

PLAT NO. 2  
PIT & PAD LAYOUT  
BRYSON CANYON UNIT NO. 18



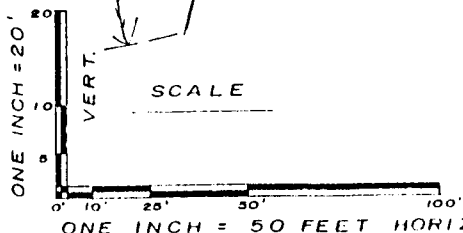
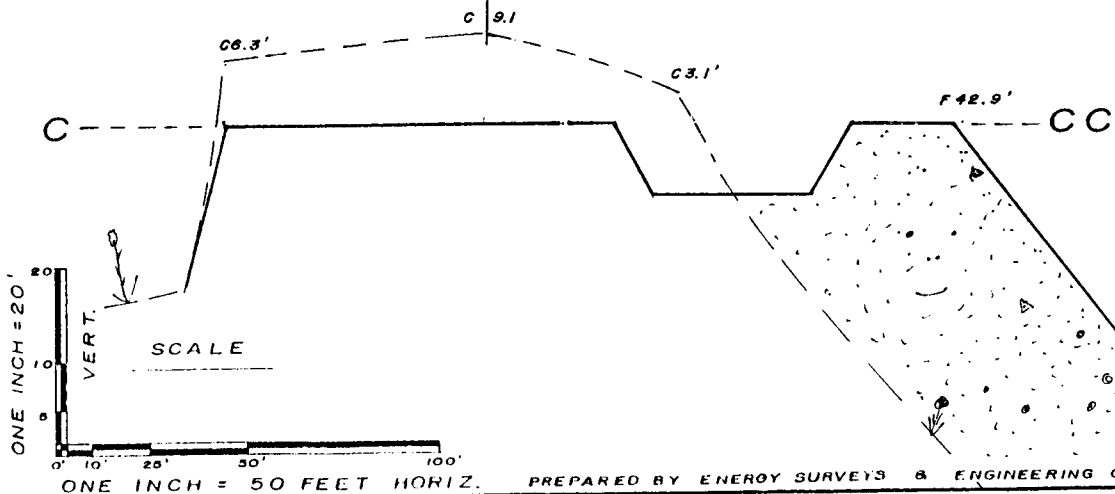
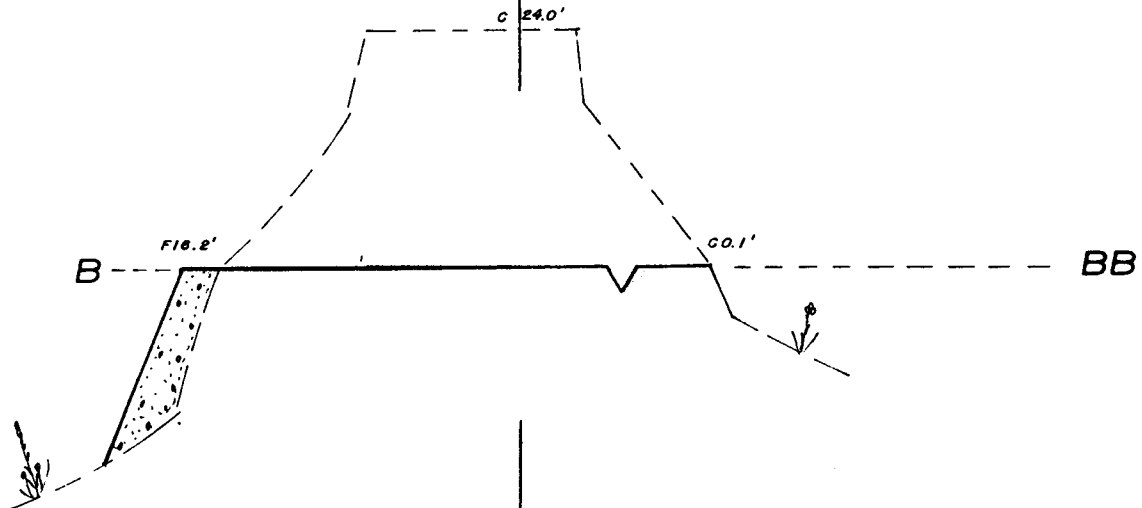
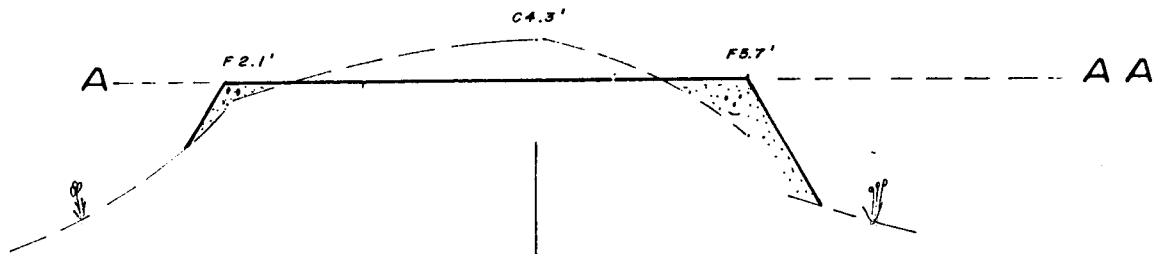
ESTIMATED C.Y. OF MATERIAL

ITEM	CUT	FILL	TOPSOIL
PAD	8880	—	800
PIT	1100	—	—
TOTAL	9980	8880	800

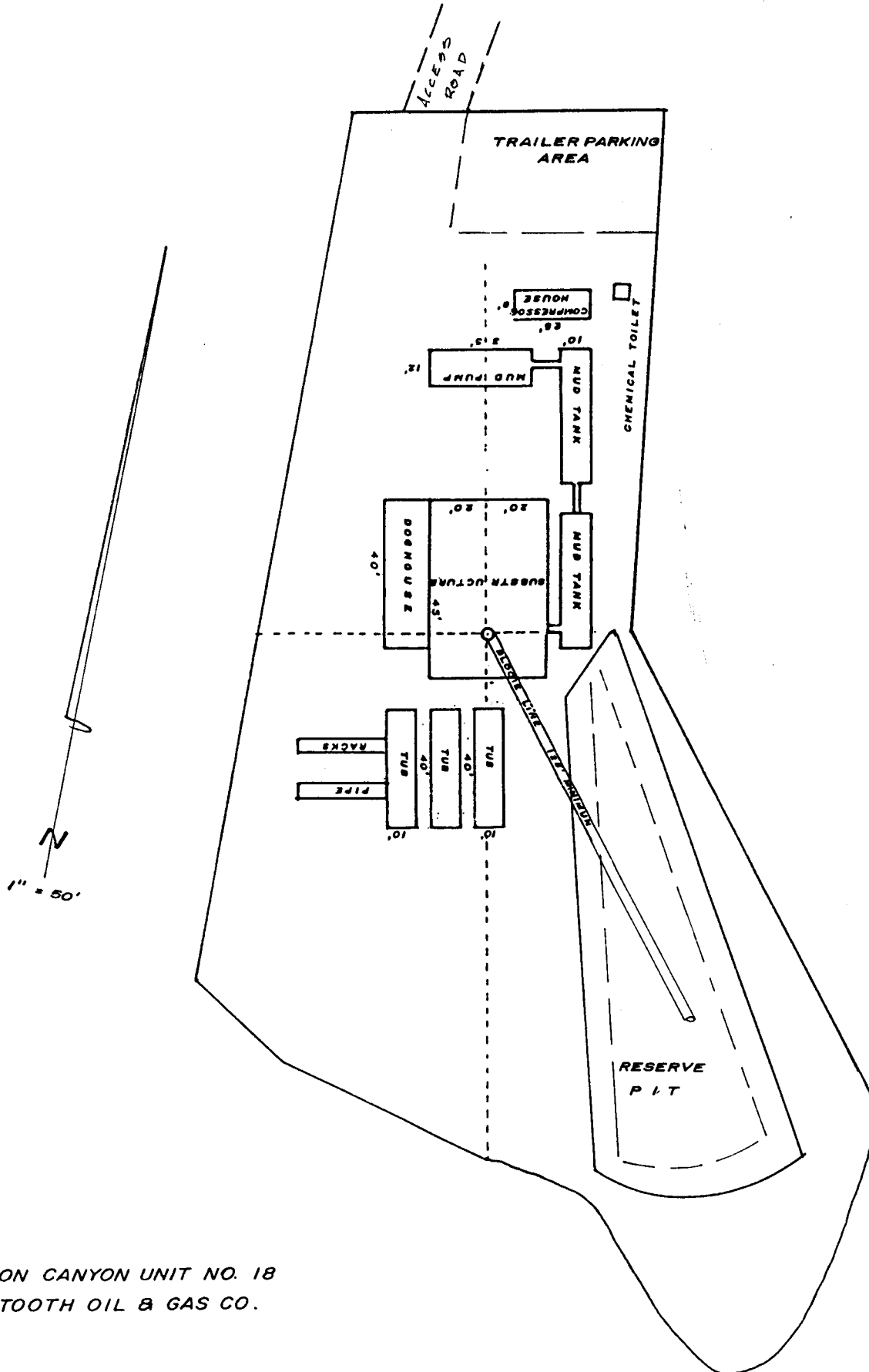
BEARTOOTH OIL & GAS CO.  
BRYSON CANYON UNIT NO. 18

CROSS-SECTIONS  
OF PIT & PAD

BRYSON CANYON UNIT NO. 18



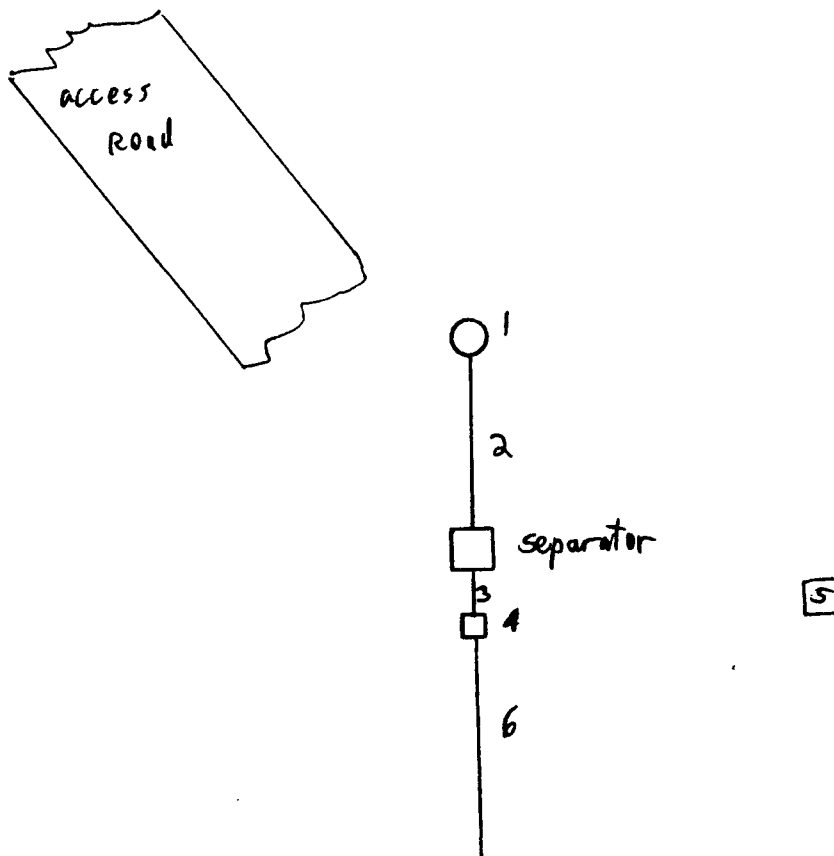
PLAT NO. 4  
RIG LAYOUT



BRYSON CANYON UNIT NO. 18  
BEARTOOTH OIL & GAS CO.

FACILITIES PLAT NO. 5

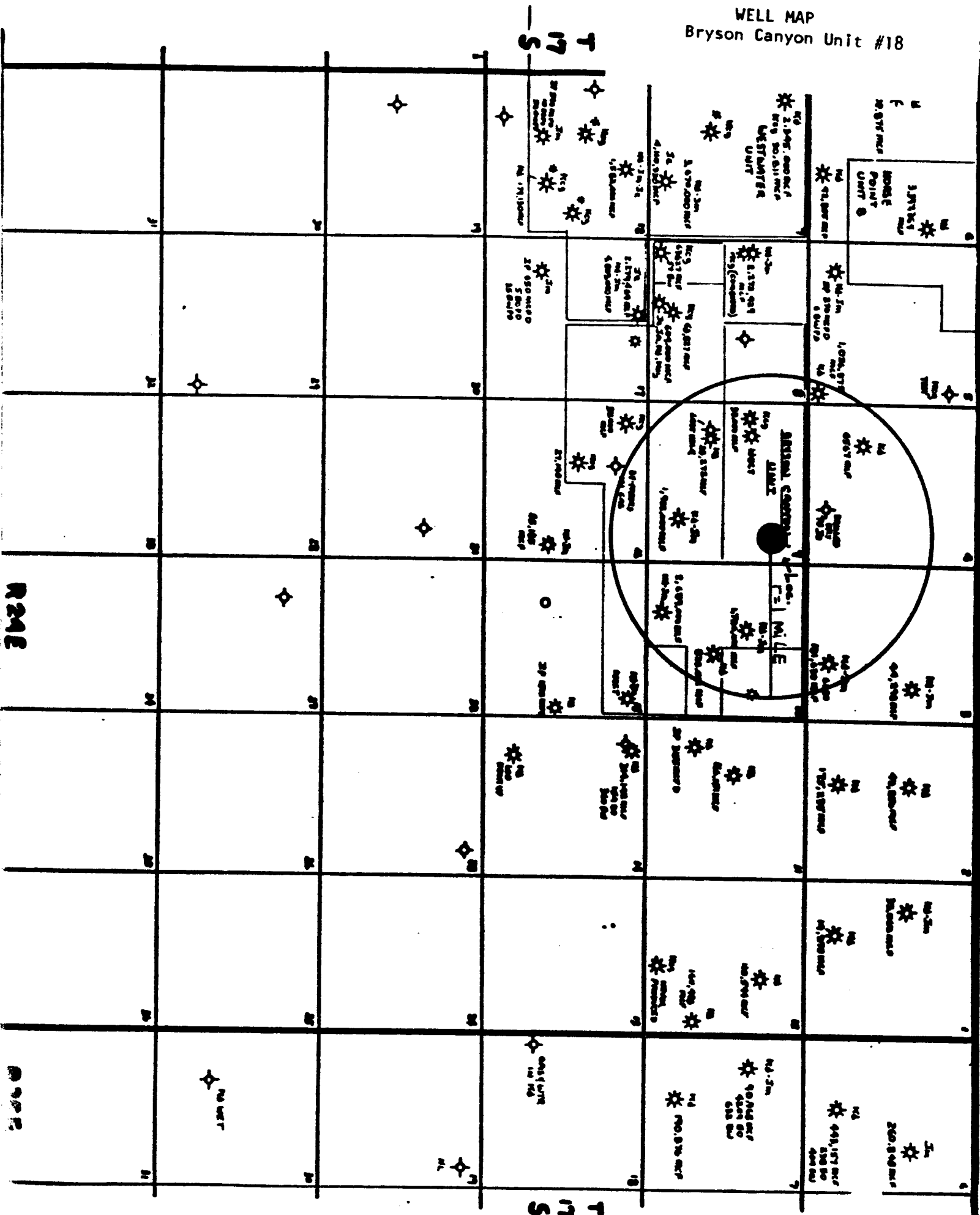
BRYSON CANYON UNIT NO. 18



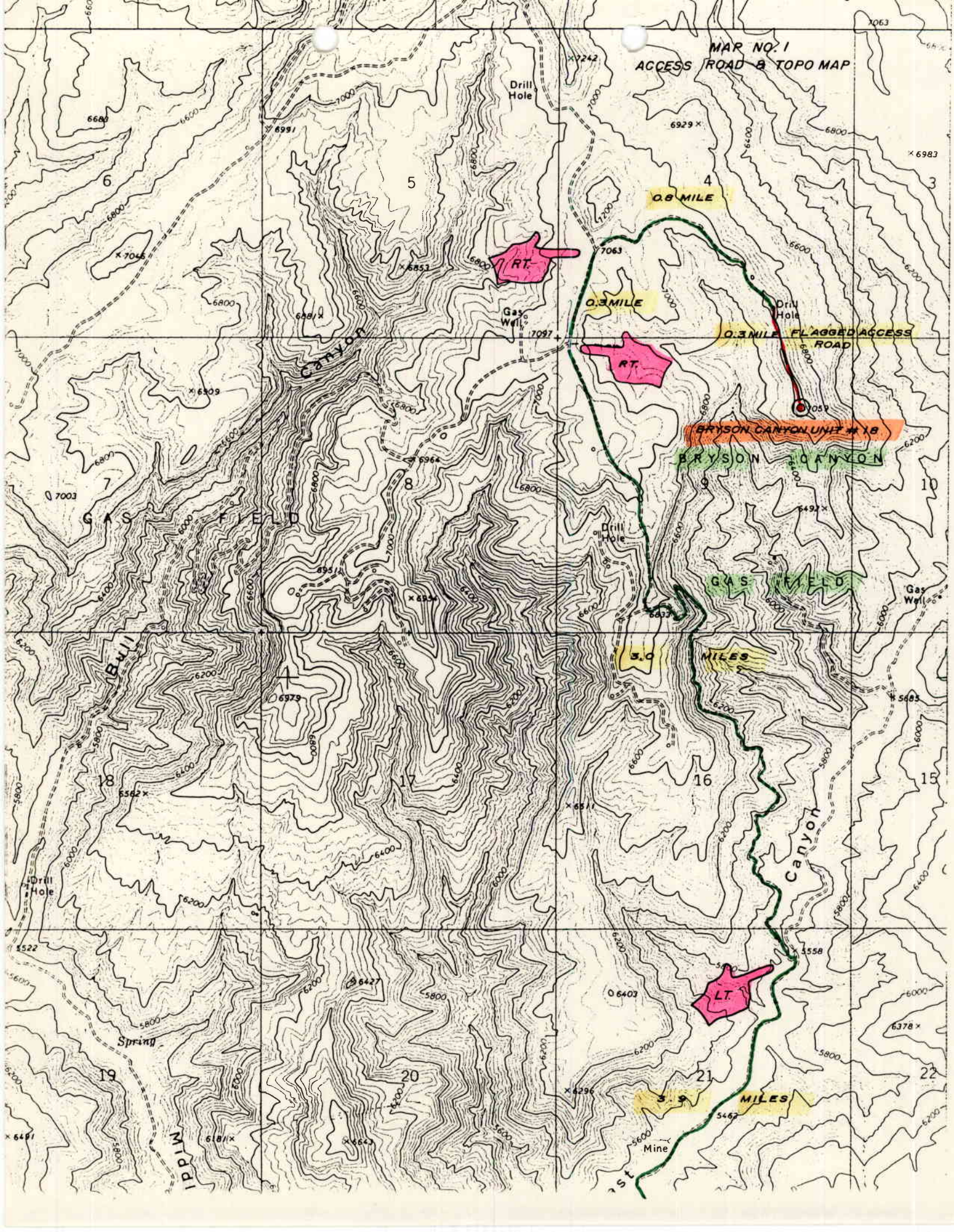
1. Wellhead will be a 6" - 900 series flanged top. Tubing head will be 10" - 900 x 6" - 5000 psi with two 2" 3000 psi flanged valves. Tree will be 2" screwed x 3000 psi W.P.
2. Line between wellhead and separator will be approximately 100 feet in length and constructed of 2-3/8" .218 wall seamless, welded, wrapped and buried approximately 5 feet deep.
3. Line between separator and meter will be 4" or 2-3/8" OD seamless, welded, coated, wrapped and buried, and will be approximately 25 feet in length.
4. Meter run will be American 2" run, 500 psi static rating, 100" of water differential rating.
5. Pit, if necessary, will be 8' x 8', enclosed by dikes and fenced.
6. Line between meter run and Mesa Pipeline gathering system will be about 3000' in length and will be 2", .154" wall, X-42 or 3", .216" wall, X-42 line pipe.

MAP NO. 3

WELL MAP  
Bryson Canyon Unit #18







MAP NO. 1  
ACCESS ROAD & TOPO MAP

Drill Hole

0.8 MILE

0.3 MILE

0.3 MILE FLAGGED ACCESS ROAD

BRYSON CANYON UNIT #18

BRYSON CANYON

GAS FIELD

3.0 MILES

3.9 MILES

Mine

GAS FIELD

BULL CANYON

CANYON

IPPIW

Spring

Gas Well

Gas Well

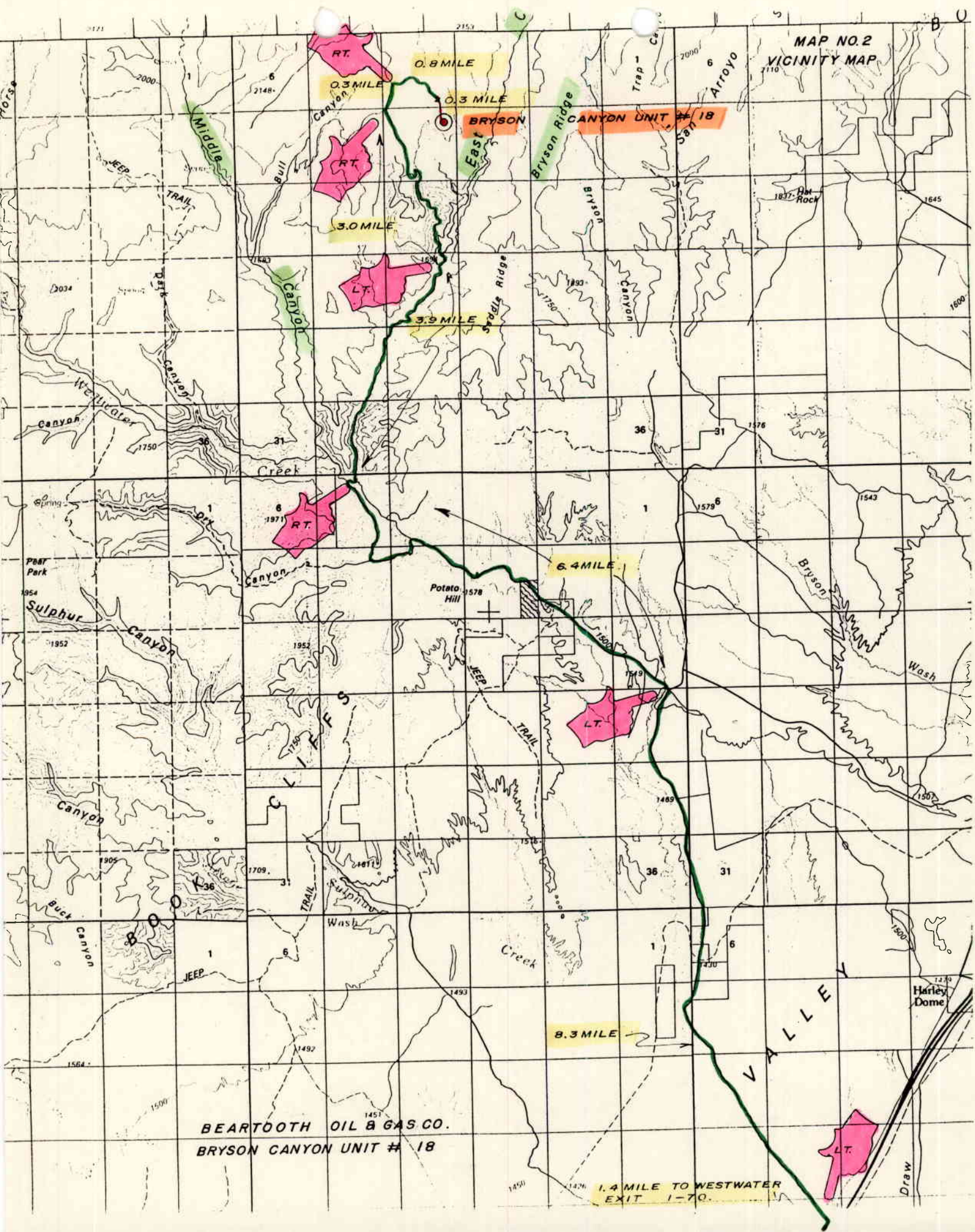
Drill Hole

Drill Hole

1st



MAP NO. 2  
VICINITY MAP





OPERATOR Beantooth Oil & Gas DATE 7-20-84

WELL NAME Bryson Canyon Unit #18

SEC NENE 9 T 17S R 24E COUNTY Grand

43-019-31169  
API NUMBER

Lease  
TYPE OF LEASE

POSTING CHECK OFF:

☐

INDEX

☐

HL

☐☐

NID

☐

PI

☐☐

MAP

☐☐

PROCESSING COMMENTS:

Unit Well - & on Plan of Development (Grand Oil Co., operator)  
Need water permit

APPROVAL LETTER:

SPACING:

☒

A-3

Bryson Canyon  
UNIT:

☐

c-3-a

CAUSE NO. & DATE

☐

c-3-b

☐

c-3-c

SPECIAL LANGUAGE:

1- Water

☒ RECONCILE WELL NAME AND LOCATION ON APD AGAINST SAME DATA ON PLAT MAP.

☒ AUTHENTICATE LEASE AND OPERATOR INFORMATION

☒ VERIFY ADEQUATE AND PROPER BONDING

☒ AUTHENTICATE IF SITE IS IN A NAMED FIELD, ETC.

☐ APPLY SPACING CONSIDERATION

☐ ORDER \_\_\_\_\_

☒ UNIT Bryson Canyon

☐ c-3-b

☐ c-3-c

☒ CHECK DISTANCE TO NEAREST WELL.

☐ CHECK OUTSTANDING OR OVERDUE REPORTS FOR OPERATOR'S OTHER WELLS.

☒ IF POTASH DESIGNATED AREA, SPECIAL LANGUAGE ON APPROVAL LETTER

☒ IF IN OIL SHALE DESIGNATED AREA, SPECIAL APPROVAL LANGUAGE.

July 25, 1984

Beartooth Oil & Gas Company  
P. O. Box 2564  
Billings, Montana 59103

RE: Well No. Bryson Canyon Unit #18  
NENE Sec. 9, T. 17S, R. 24E  
1105' FRL, 956' FEL  
Grand County, Utah

Gentlemen:

Approval to drill the above referenced gas well is hereby granted in accordance with Section 40-6-18, Utah Code Annotated, as amended 1983; and predicated on Rule A-3, General Rules and Regulations and Rules of Practice and Procedure, subject to the following stipulations:

1. Prior to commencement of drilling, receipt by the Division of evidence providing assurance of an adequate and approved supply of water.

In addition, the following actions are necessary to fully comply with this approval:

1. Spudding notification to the Division within 24 hours after drilling operations commence.
2. Submittal to the Division of completed Form OGC-8-X, Report of Water Encountered During Drilling.
3. Prompt notification to the Division should you determine that it is necessary to plug and abandon this well. Notify John R. Raza, Petroleum Engineer, (Office) (801) 533-5771, (Home) 298-7695 or R. J. Firth, Associate Director, (Home) 571-6068.
4. This approval shall expire one (1) year after date of issuance unless substantial and continuous operation is underway or an application for an extension is made prior to the approval expiration date.

The API number assigned to this well is 43-019-31169.

Sincerely,

  
R. J. Firth  
Associate Director, Oil & Gas

RJF/as

cc: Branch: of Fluid Minerals

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

## APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

## 1a. TYPE OF WORK

DRILL ☒DEEPEN ☐PLUG BACK ☐

## b. TYPE OF WELL

OIL  
WELL ☐GAS  
WELL ☒

OTHER

SINGLE  
ZONE ☐MULTIPLE  
ZONE ☐

## 2. NAME OF OPERATOR

Beartooth Oil &amp; Gas Company

## 3. ADDRESS OF OPERATOR

P. O. Box 2564, Billings, Montana 59103

RECEIVED

## 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)\*

At surface

1105' FNL, 956' FEL

JUL 26 1984

At proposed prod. zone

same

## 14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*

40 miles northwest of Mack, Colorado

DIVISION OF OIL  
GAS & MINING

## 15. DISTANCE FROM PROPOSED\*

LOCATION TO NEAREST  
PROPERTY OR LEASE LINE, FT.  
(Also to nearest drlg. unit line, if any.)

956'

## 16. NO. OF ACRES IN LEASE

1200

17. NO. OF ACRES ASSIGNED  
TO THIS WELL

160

18. DISTANCE FROM PROPOSED LOCATION\*  
TO NEAREST WELL, DRILLING, COMPLETED,  
OR APPLIED FOR, ON THIS LEASE, FT.

3122'

## 19. PROPOSED DEPTH

6300'

## 20. ROTARY OR CABLE TOOLS

Rotary

## 21. ELEVATIONS (Show whether DF, RT, GR, etc.)

7056' GL, 7067' KB

## 22. APPROX. DATE WORK WILL START\*

August 15, 1984

## 23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	9-5/8"	32.3# H-40 STC	200'	150 sacks Class "G"
8-3/4"	7" New	20# K-55 STC	2330'	150 sacks 50-50 pozmix
6-1/4"	4-1/2"	11.6# N-80 LTC	6300'	175 sacks RFC

1. Surface formation is the Mesaverde.
2. Anticipated geologic markers are: Castlegate 2030', Dakota 5700', Morrison 5877', Salt Wash 6200'.
3. Gas is anticipated in the Castlegate, Dakota, Morrison and in the Salt Wash. No oil or other minerals are anticipated. Possible water sands are expected in the Mesaverde.
4. Proposed casing program: See Item No. 23 above.
5. Pressure control equipment: See attached well control plan and schematic of drilling contractor's BOP stack. BOP's will be tested before drilling out from under surface casing and checked daily.
6. Air or mist drilling will be used to drill the surface hole unless water is encountered. If water is encountered, chemical-gel type mud will be used. The well will be air drilled from under surface casing to total depth.

(continued on back page)

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED James G. Routson TITLE Petroleum Engineer

DATE 7/12/84

(This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_

APPROVAL DATE \_\_\_\_\_

APPROVED BY /s/ GENE NODINETITLE DISTRICT MANAGERDATE 24 JUL 1984

CONDITIONS OF APPROVAL, IF ANY:

SUBJECT TO RIGHT OF WAY

APPROVAL

CONDITIONS OF APPROVAL ATTACHED

FLARING OR VENTING OF  
GAS IS SUBJECT OF NTL 4-A  
DATED 1/1/80

## Instructions

**General:** This form is designed for submitting proposals to perform certain well operations, as indicated, on all types of lands and leases for appropriate action by either a Federal or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office.

**Item 1:** If the proposal is to redrill to the same reservoir at a different subsurface location or to a new reservoir, use this form with appropriate notations. Consult applicable State or Federal regulations concerning subsequent work proposals or reports on the well.

**Item 4:** If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

**Item 14:** Needed only when location of well cannot readily be found by road from the land or lease description. A plat, or plats, separate or on this reverse side, showing the roads to, and the surveyed location of, the well, and any other required information, should be furnished when required by Federal or State agency offices.

**Items 15 and 18:** If well is to be, or has been directionally drilled, give distances for subsurface location of hole in any present or objective production zone.

**Item 22:** Consult applicable Federal or State regulations, or appropriate officials, concerning approval of the proposal before operations are started.

U.S. GOVERNMENT PRINTING OFFICE : 1981 O - 345-710

7. Auxiliary equipment: See well control plan.
8. The logging program will consist of a DIL log from TD to base of intermediate casing, and GR-FDC-CNL logs from TD to above the Frontier. No cores or DST's are planned. No cores or DST's are planned.
9. No abnormal pressures or temperatures are anticipated. No poisonous gas is anticipated.
10. Anticipated spud date is August 15, 1984. Completion operations should commence within 30 days of rig release.
11. Survey plats are attached.
12. The gas is dedicated to Mesa Pipeline.
13. Designation of Agent forms from Trend will be sent to the MMS Unit Division in Salt Lake City.
14. This well will be drilled under Trend's bond.

CONDITIONS OF APPROVAL FOR PERMIT TO DRILL

Beartooth Oil & Gas Co.  
Well: Bryson Canyon Unit #18  
Sec. 9, T.17 S., R.24 E.  
Lease No: U-026  
Inspection Date: 07/18/84

1. Please contact Paul Brown (801) 259-8193 or 259-7018) 24 hours prior to completion of pad and pit construction for a pre-spudding inspection of reserve pit.

2. SEED MIX

<u>Grasses</u>		<u>lbs/acre</u>
Hilaria jamesii	Galleta (Curlygrass)	2
Oryzopsis hymenoides	Indian ricegrass	2
<u>Forbs</u>		
Sphaeralcea coccinea	Scarlet globemallow	1
<u>Shrubs</u>		
Eurotia lanata	Winterfat (Whitesage)	2

Broadcast seed will be applied at double the above rate.

ONSITE

DATE: July 18, 1984

PARTICIPANTS:

TITLES:

_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____

Your contact with the District Office is: Robert (Bob) Graff

Office Phone: 801-259-6111 Ext 216

City: Moab State: Utah

Resource Area Manager's address and contacts are:

Address: Grand Resource Area  
Old Sand Flat Road, P.O. Box M,

Your contact is: Paul Brown

Office Phone: 801-259-8193

Home Phone: 801-259-7018

w/r

DIVISION OF OIL, GAS AND MINING

SPODDING INFORMATION

API #43-019-31169

NAME OF COMPANY: BEARTOOTH OIL & GAS

WELL NAME: BRYSON CANYON UNIT #18

SECTION NENE 9 TOWNSHIP 17S RANGE 24E COUNTY Grand

DRILLING CONTRACTOR Veco

RIG # 1

SPODDED: DATE 8-24-84

TIME 6:00 PM

How Rotary

DRILLING WILL COMMENCE

REPORTED BY Grace

TELEPHONE # 406-259-2451

DATE 8-27-84 SIGNED AS



**UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY**

**SUNDRY NOTICES AND REPORTS ON WELLS**

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil well ☐ gas well ☒ other ☐

2. NAME OF OPERATOR  
Beartooth Oil & Gas Company

3. ADDRESS OF OPERATOR  
P. O. Box 2564, Billings, Montana 59103

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)  
AT SURFACE: 1105' FNL, 956' FEL  
AT TOP PROD. INTERVAL: same  
AT TOTAL DEPTH: same

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

## REQUEST FOR APPROVAL TO:

TEST WATER SHUT-OFF ☐  
FRACTURE TREAT ☐  
SHOOT OR ACIDIZE ☐  
REPAIR WELL ☐  
PULL OR ALTER CASING ☐  
MULTIPLE COMPLETE ☐  
CHANGE ZONES ☐  
ABANDON\* ☐

## SUBSEQUENT REPORT OF:

☐  
☐  
☐  
☐  
☐  
☐  
☐  
☐

(other) Status Report

**RECEIVED**

**SEP 13 1984**

**DIVISION OF OIL  
& GAS MINING**

LEASE

U-026

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

Bryson Canyon

8. FARM OR LEASE NAME

Federal

9. WELL NO.

Unit No. 18

10. FIELD OR WILDCAT NAME

Bryson Canyon

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA

NE $\frac{1}{4}$ NE $\frac{1}{4}$  Sec. 9-T17S-R24E

12. COUNTY OR PARISH

Grand

13. STATE

Utah

14. API NO.

43-019-31169

15. ELEVATIONS (SHOW DF, KDB, AND WD)

7056' GL, 7067' KB

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Well spudded at 6:00 PM on 8/24/84. Drilled 12-1/4" hole to 218'. Ran 8 joints of 9-5/8", 36#, J-55 casing to 218'. Cemented with 200 sacks Class "G", 3% CaCl<sub>2</sub>, 1/4# celloflake/sack. Good cement to surface. Plug down at 4:45 PM 8/25/84.

Total depth 6250'.

Ran 158 joints 4 1/2", 11.6#, N-80 casing to 6220'. Cemented with 125 sacks 10-0 RFC. Plug down at 7:30 PM on 9/2/84.

Waiting on completion tools.

Subsurface Safety Valve: Manu. and Type \_\_\_\_\_ Set @ \_\_\_\_\_ Ft.

18. I hereby certify that the foregoing is true and correct

SIGNED Grace E. Brown TITLE Drilling Dept. DATE September 11, 1984  
Grace E. Brown

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE

(See instructions on reverse side)

Form approved.  
Budget Bureau No. 1004-0137  
Expires August 31, 1985

WELL COMPLETION OR RECOMPLETION REPORT LOG \*

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☒ DRY ☐ Other ☐

b. TYPE OF COMPLETION:

NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ Other ☐

2. NAME OF OPERATOR

Beartooth Oil & Gas Company

3. ADDRESS OF OPERATOR

P. O. Box 2564, Billings, Montana 59103

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)\*

At surface 1105' FNL, 956' FEL

At top prod. interval reported below same

At total depth same

14. PERMIT NO.

DATE ISSUED

43-019-31169

7/25/84

15. DATE SPUDDED

8/24/84

16. DATE T.D. REACHED

9/1/84

17. DATE COMPL. (Ready to prod.)

9/25/84

18. ELEVATIONS (DF, RKB, RT, GR, ETC.)\*

7056' GL, 7067' KB

19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD

6250'

21. PLUG, BACK T.D., MD & TVD

6187'

22. IF MULTIPLE COMPL., HOW MANY\*

Commingled

23. INTERVALS DRILLED BY

ROTARY TOOLS

0-TD

CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)\*

5747-5856 - Dakota; 5861 - Morrison; 6123-6185 - Salt Wash

Dakota - Morrison

25. WAS DIRECTIONAL SURVEY MADE

no

26. TYPE ELECTRIC AND OTHER LOGS RUN

DIL, CNL/CNS

27. WAS WELL CORRED

no

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
9-5/8"	36#, J-55	218' KB	12-1/4"	200 SX	
7"	23#, L.S.	2340' KB	8-3/4"	150 SX	
4-1/2"	11.6#, N-80	6220' KB	6-1/4"	125 SX	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2-3/8"	6158'	-

31. PERFORATION RECORD (Interval, size and number)

5747, 5787, 5856, 5861, 6123, 6125, 6181, 6185 - 8 holes, .31" dia.

(see back for squeeze holes)

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
5747-6185'	650 gallons 15% MR acid; foam fract w/ 523 bbl. 5% HCl, 2.4 MMSCF nitrogen, 20,000 100 mesh sand, 94,000# 20-40 sand

33. PRODUCTION

DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)					WELL STATUS (Producing or shut-in)	
9/25/84		flowing					shut-in	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO	
9/25/84	31	3/4"	→		838			
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)		
40 psi	200 psi	→		649				

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

to be sold

TEST WITNESSED BY

Ralph Snow

35. LIST OF ATTACHMENTS

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED

James G. Routson

TITLE

Petroleum Engineer

DATE

9/26/84

\*(See Instructions and Spaces for Additional Data on Reverse Side)

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals; and all drill-stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries);

GEOLOGIC MARKERS

38.

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP	VERT. DEFIN.
			<p>To repair poor bonding, squeezed as follows:</p> <p>2 squeeze holes at 5745 - with 125 sacks</p> <p>2 squeeze holes at 5686 and 5687 - with 50 sacks</p>	<p>Dakota Silt</p> <p>Dakota Sand</p> <p>Morrison</p> <p>Salt Wash</p>	<p>5605'</p> <p>5692'</p> <p>5866'</p> <p>6118'</p>	

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING  
4241 State Office Building  
Salt Lake City, UT 84114

RECEIVED

OCT 01 1944

DIVISION OF OIL  
GAS & MINING\*REPORT OF WATER ENCOUNTERED DURING DRILLING\*

Well Name & Number Bryson Canyon Unit No. 18

Operator Beartooth Oil & Gas Company Address P. O. Box 2564, Billings, Montana

Contractor Veco Drilling Company Address Box 1705, Grand Junction, CO 81502

Location NE 1/4 NE 1/4 Sec. 9 T. 17S R. 24# County Grand

Water Sands

<u>Depth</u>		<u>Volume</u>	<u>Quality</u>
From	To	Flow Rate or Head	Fresh or Salty
1.	<u>NONE ENCOUNTERED WHILE DRILLING</u>		
2.	<u></u>		
3.	<u></u>		
4.	<u></u>		
5.	<u></u>		

(Continue on reverse side if necessary)

<u>Formation Tops</u>				
	Mesaverde	surface	Frontier	5360'
	Mancos	1780'	Dakota Silt	5605'
	Castlegate	2030'	Dakota Sand	5697'
<u>Remarks</u>	Mancos "B"	2722	Morrison	5867'

- NOTE: (a) Report on this form as provided for in Rule C-20, General Rules and Regulations and Rules of Practice and Procedure.
- (b) If a water analysis has been made of the above reported zone, please forward a copy along with this form.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPPLICATE  
(Other instructions on reverse side)

Budget Bureau No. 1004-0135  
Expires August 31, 1985

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/>		<b>RECEIVED</b> JAN 10 1985 DIVISION OF OIL, GAS & MINING	5. LEASE DESIGNATION AND SERIAL NO. U-026
2. NAME OF OPERATOR Beartooth Oil & Gas Company			6. IF INDIAN, ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR P. O. Box 2564, Billings, Montana 59103			7. UNIT AGREEMENT NAME Bryson Canyon
4. LOCATION OF WELL (Report location clearly and in accordance with any State legislation. See also space 17 below.) At surface 1105' FNL, 956' FEL			8. FARM OR LEASE NAME Federal
14. PERMIT NO. 43-019-31169		15. ELEVATIONS (Show whether DF, RT, GR, etc.) 7056' GL, 7067' KB	9. WELL NO. Unit No. 18
			10. FIELD AND POOL, OR WILDCAT Bryson Canyon
			11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA NE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 9-T17S-R24E
			12. COUNTY OR PARISH Grand
			13. STATE Utah

Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>
(Other) <input type="checkbox"/>	First Delivery <input checked="" type="checkbox"/>

SUBSEQUENT REPORT OF:

WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
(Other) <input type="checkbox"/>	

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS: (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.) \*

First production - 12:00 Noon 1/6/85

18. I hereby certify that the foregoing is true and correct

SIGNED Grace E. Brown  
Grace E. Brown  
(This space for Federal or State office use)

TITLE Production Department

DATE 1/8/85

APPROVED BY \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:

TITLE \_\_\_\_\_

DATE \_\_\_\_\_

\*See Instructions on Reverse Side

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

Beartooth Oil & Gas Company (Prior Operator)

3. Address and Telephone No.

P. O. Box 2564, Billings, Montana 59103

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

1105' FNL, 956' FEL

NE $\frac{1}{4}$ NE $\frac{1}{4}$  Sec. 9-T17S-R24E

5. Lease Designation and Serial No.

U-026

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

Bryson Canyon

8. Well Name and No.

Unit No. 18

9. API Well No.

43-019-31169

10. Field and Pool, or Exploratory Area

Bryson Canyon

11. County or Parish, State

Grand County, Utah

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☐ Notice of Intent  
☐ Subsequent Report  
☐ Final Abandonment Notice

TYPE OF ACTION

- ☐ Abandonment  
☐ Recompletion  
☐ Plugging Back  
☐ Casing Repair  
☐ Altering Casing  
☐ Other CHANGE OF OPERATOR  
☐ Change of Plans  
☐ New Construction  
☐ Non-Routine Fracturing  
☐ Water Shut-Off  
☐ Conversion to Injection  
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Effective July 1, 2000, the Operator has been changed from Beartooth Oil & Gas Company to Trend Oil Company at the following address:

Trend Oil Company, Operator  
1300 N. McDowell Boulevard, Suite G  
Petaluma, CA 94954

RECEIVED

AUG 28 2000

DIVISION OF  
OIL, GAS AND MINING

14. I hereby certify that the foregoing is true and correct

Signed  Title Donald K. Roberts, President Date August 24, 2000

(This space for Federal or State office use)

Approved by \_\_\_\_\_ Title \_\_\_\_\_ Date \_\_\_\_\_  
Conditions of approval, if any:

## OPERATOR CHANGE WORKSHEET

## ROUTING

1. GLH		4-KAS ✓
2. CDW ✓		5- <del>SP</del> ✓
3. JLT		6-FILE

Enter date after each listed item is completed

**X Change of Operator (Well Sold)**

Designation of Agent

Operator Name Change (Only)

Merger

The operator of the well(s) listed below has changed, effective: **7-1-2000**

<b>FROM:</b> (Old Operator):
BEARTOOTH OIL & GAS COMPANY
Address: P. O. BOX 2564
BILLINGS, MT 59103
Phone: 1-(406)-259-2451
Account No. N1790

CA No.

<b>TO:</b> ( New Operator):
TREND OIL COMPANY
Address: 1300 N. McDOWELL BOULEVARD STE G
PETALUMA, CA 94954
Phone: 1-(707)-773-1236
Account No. N1020

Unit:

## WELL(S)

NAME	API NO.	ENTITY NO.	SEC. TWN RNG	LEASE TYPE	WELL TYPE	WELL STATUS
BRYSON CANYON UNIT 18	43-019-31169	9675	09-17S-24E	FEDERAL	GW	P
BRYSON CANYON FEDERAL 17	43-019-31092	2865	17-17S-24E	FEDERAL	GW	P

## OPERATOR CHANGES DOCUMENTATION

- (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 08/28/2000
- (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 10/20/2000
- The new company has been checked through the **Department of Commerce, Division of Corporations Database** on: 11/01/2000
- Is the new operator registered in the State of Utah: YES Business Number: 567043-0143
- If **NO**, the operator was contacted on: \_\_\_\_\_
- Federal and Indian Lease Wells:** The BLM and or the BIA has approved the (merger, name change, or operator change for all wells listed on Federal or Indian leases on: 10/17/2000
- Federal and Indian Units:** The BLM or BIA has approved the successor of unit operator for wells listed on: N/A

8. **Federal and Indian Communication Agreements ("CA"):** The BLM or the BIA has approved the operator change for all wells listed involved in a CA on: N/A

9. **Underground Injection Control ("UIC") Prog:** The Division has approved UIC Form 5, **Transfer of Authority to Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: N/A

---

**DATA ENTRY:**

1. Changes entered in the **Oil and Gas Database** on: 11/02/2000
2. Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 11/02/2000
3. Bond information entered in RBDMS on: N/A
4. Fee wells attached to bond in RBDMS on: N/A

---

**STATE BOND VERIFICATION:**

1. State well(s) covered by Bond No.: N/A

---

**FEE WELLS - BOND VERIFICATION/LEASE INTEREST OWNER NOTIFICATION:**

1. (R649-3-1) The **NEW** operator of any fee well(s) listed has furnished a bond: N/A
2. The **FORMER** operator has requested a release of liability from their bond on: N/A  
The Division sent response by letter on: N/A
3. (R649-2-10) The **FORMER** operator of the Fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: \_\_\_\_\_

---

**FILMING:**

1. All attachments to this form have been **MICROFILMED** on: 2.26.01

---

**FILING:**

1. **ORIGINALS/COPIES** of all attachments pertaining to each individual well have been filled in each well file on: \_\_\_\_\_

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**COMMENTS:**

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UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals.)

OIL WELL ☐ GAS WELL ☒ OTHER ☐

NAME OF OPERATOR

Trend Oil Company, Operator

ADDRESS OF OPERATOR

1390 N. McDowell Blvd, Ste G, PMB 266, Petaluma, CA 94954

LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)

See also space 17 below.)

At surface

1105' FNL, 956' FEL

NE 1/4 NE 1/4 Sec. 18-T17S-R24E

6. LEASE DESIGNATION AND ASSIGNED NO.  
U-026  
INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

Bryson Canyon

8. FARM OR LEASE NAME

9. WELL NO.

Unit No. 18

10. FIELD AND POOL, OR WILDCAT

Bryson Canyon

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA

12. COUNTY OR PARISH

Grand City

13. STATE

Utah

Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other) Change of Operator

PLUG OR ALTER CASING

MULTIPLE COMPLETION

ABANDON\*

CHANGE PLANS

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

Change of Operator  
(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

REPAIRING WELL

ALTERING CASING

ABANDONMENT\*

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

CHANGE OF OPERATOR

Trend Oil Co. op is taking over operations of the above captioned well.

Trend Oil Co. op. is responsible under the terms and conditions of the lease for operations conducted on the leased lands or portions thereof.

Bond coverage for this well will be provided by BLM Bond No. UT0675.

Effective date: 7-01-00

18. I hereby certify that the foregoing is true and correct

SIGNED

D. L. Carr

TITLE

Agent

DATE 10-05-00

(This space for Federal or State office use)

APPROVED BY

William H. [Signature]

TITLE

Assistant Field Manager,  
Division of Resources

DATE

10/17/2000

CONDITIONS OF APPROVAL, IF ANY:

CONDITIONS OF APPROVAL ATTACHED

\*See Instructions on Reverse Side

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

cc: UDCRM 10/17/00

Trend Oil Company  
Well Nos. 17 and 18  
Sections 17 and 18, T. 17 S., R. 24 E.  
Lease UTU026  
Grand County, Utah

#### CONDITIONS OF APPROVAL

Approval of this application does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Be advised that Trend Oil Company is considered to be the operator of the above wells and is responsible under the terms and conditions of the lease for the operations conducted on the leased lands.

Bond coverage for these wells is provided by UT0675 (Principal -Trend Oil Company) via surety consent as provided for in 43 CFR 3104.2.

This office will hold the aforementioned operator and bond liableuntil the provisions of 43 CFR 3106.7-2 continuing responsibility are met.